

MedDream DICOM Viewer Chrome browser extension for multi-monitors

© 2022, Softneta UAB, K. Barsausko str. 59, LT-51423, Kaunas, Lithuania

All rights reserved in the event of granting of patents or registration as a utility patent.

All names of companies and products mentioned in this user's manual may be trademarks or registered trademarks. References to products of other manufacturers are for information purposes only. Such references are intended neither as an approval nor a recommendation of these products. Softneta UAB accepts no liability for the performance or use of such products.

Other brand names, software and hardware names used in this user's manual are subject to trademark or patent protection. The quoting of products is for informational purposes only and does not represent a trademark misuse.

This user's manual is protected by copyright. Unless expressly authorized in writing, dissemination, duplication or other commercial exploitation of this documentation set or communication of its contents or parts of it is not permitted. In case of infringement, the violator may be liable to pay compensation for damages.

Specifications due to technical developments are subject to change. This user's manual is not subject to the revision service. Please contact the manufacturer or authorized dealer to request the latest edition of the manual.

Requirements

- MedDream DICOM Viewer multi display browser extension requires Google Chrome browser version 52 or newer.
- Connected more than one display monitors.
- Recommended to have monitors with the same resolution (and Windows PC - the same scale), to expand browser content to correct size and position.

Extension installation

1. Extension can be found here:

Open Google Chrome Properties -> More tools -> Extensions:

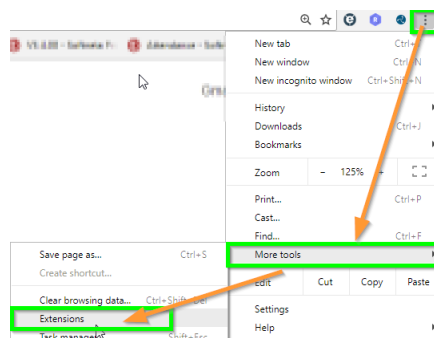


Figure 1 Chrome properties.

In opened window select Extensions (in the left upper corner) -> Open Chrome Web Store

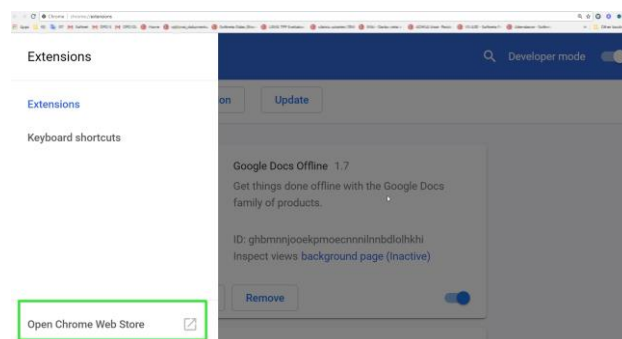


Figure 2 Chrome web store.

Go directly to Google Chrome extensions website ->

<https://chrome.google.com/webstore/category/extensions>

2. Search for MedDream browser extension: type "meddream" in the search.

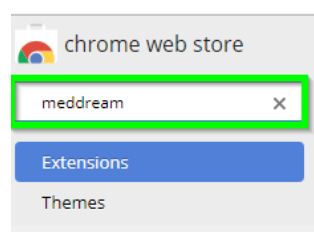


Figure 3 Filtering MedDream extension.

3. Add to chrome MedDream browser extension.

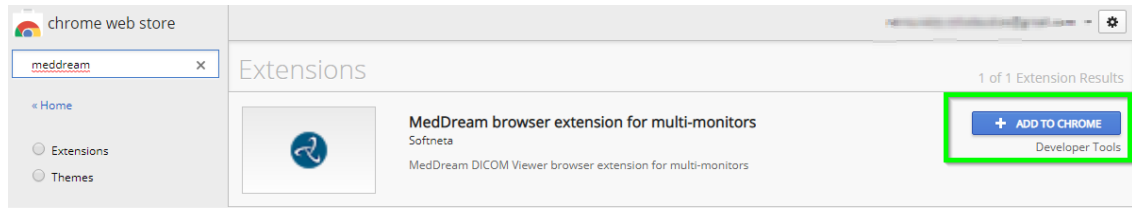


Figure 4 Adding MedDream extension.

4. MedDream browser chrome extension has been successfully added to Chrome.

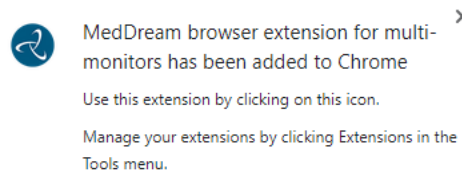


Figure 5 Successful MedDream extension's addition.

Extension configuration

Open extension option window

- In Google Chrome browser's right upper corner you will find MedDream extension logo.

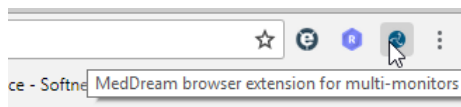


Figure 6 Extension's indication.

- Or right click on icon and select **Options**. New windows with MedDream extension options will be loaded.

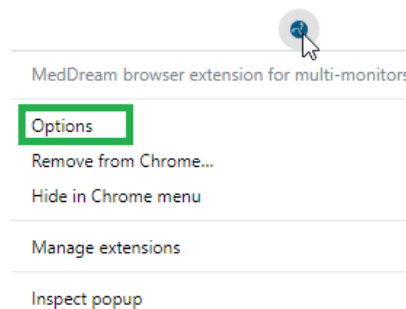


Figure 7 Opening options.

MedDream extension option window

Debug mode ☐

URL part to search

Enter URL part (index, search/index.html, /view,..).

Automatically move and expand browser window

Click and select display box (shows only enabled monitor displays).

Display 1 Id: 2841568472 Name: Generic Non-PnP Monitor Position: -800x0 Size: 800x600 DPI: 96x96	Display 2 Id: 2528732444 Name: Generic Non-PnP Monitor Position: 0x0 Size: 1152x824 DPI: 96x96 Primary	Display 3 Id: 2779098405 Name: Generic Non-PnP Monitor Position: 1152x0 Size: 800x600 DPI: 96x96
---	--	---

Manually set browser window size ☐

Open your web page and resize.
Open plugin options, check "Manually set browser window size"
Press button "Update Parameters" (to fill inputs)
Press button "Save"

Left(x): Width: Current window size:
Top(y): Height: Left: -8,
Top: -8,
Width: 1168,
Height: 840


Figure 8 Option window with 3 monitors.

- **Debug mode** – check to inspect extension logic (find URL) and calculations (set window position and size). In console window, will display information about founded window and options that will try to apply.
- - reset options and clear all saved settings. Extension is using <chrome.storage.local> to save all data.
- **URL part for search** - write appropriate URL context path or part. This will be used to find matching URL in new opened/refreshed windows.

Example: for MedDream DICOM Viewer 7.5 version or newer - “/view”, “IP/view”, for older versions - “md5/index”, “index.html”.



NOTE! If user will leave empty URL context path - will not save settings.

-  (Remove URL options settings) – will remove your created options for **URL part for search**.
- **Automatically move and expand browser window** – automatically adjust matching window position and size by selected displays (PC monitors). Selected display will be marked with green color and “Selected” word.

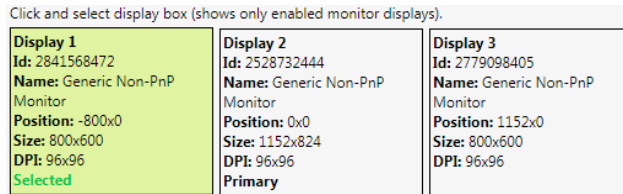
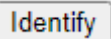


Figure 9 Select first display.

-  (Identify PC monitors) - will show display numbers in each display (PC monitor) left bottom corner. It is to see, in what order extension see displays.

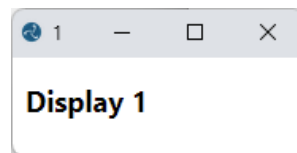
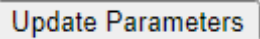


Figure 10 Identify first display.

- **Manually set browser window size** – check to set matching window position (left, top inputs) and size (width, height inputs). It is useful to set custom position and size if displays (PC monitors) are not the same size or different DPI.
-  - quickly fill **Left**, **Top**, **Width** and **Height** inputs by current active window. If user opens new window, position and resize window, then in the same window opens extension option – should see calculated current window size and position.

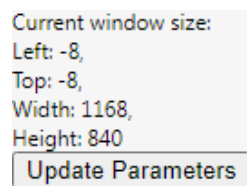




Figure 11 Current window position and size.



NOTE! If user will leave all inputs 0 - will not save settings.

-  (Create new URL options settings with different displays) - add another **URL part for search** block options. This will allow different URL have different window size and positions.
-  - save all options.

Set to automatically move and expand browser window:

1. Open MedDream extension option window.
2. Fill **URL part for search** input with matching URL part.
3. Click on desired displays in **Automatically move and expand browser window**.
4. Press button **Save** and try open/refresh your window.

Manually set browsers window size:

1. Open your MedDream viewer window which you want to expand on more than one display.
2. Move to desired position and resize to expand browser window.
3. Open MedDream extension's option windows.
4. Select checkbox **Manually set browser window size**.
5. Press button **Update Parameters** to fill inputs (top, left, width and height) with current window size or fill manually.
6. Press button **Save** and try open/refresh your window.

Examples

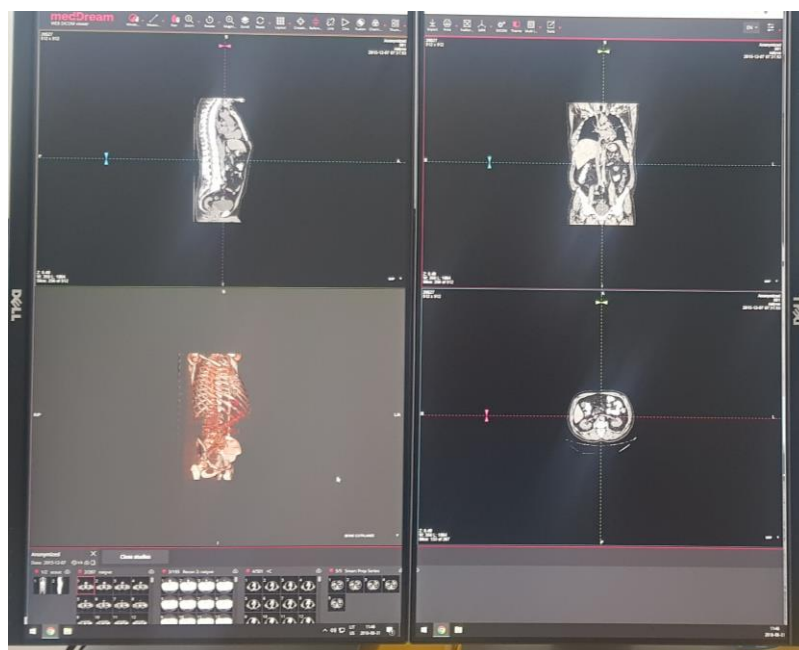


Figure 12 MedDream DICOM Viewer on 2 displays.



Figure 13 MedDream DICOM Viewer on 3 displays